

Amendments to the Claims:

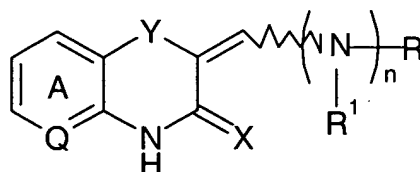
Please cancel claims 16, 17, 19 and 21 without waiver or prejudice.

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1- 17 (Cancelled)

Claim 18 (Currently Amended) A compound of ~~Claim 17 wherein n is 0 and~~ represented by the following structural formula:



or physiologically acceptable salts thereof, wherein:

ring A is optionally substituted with substituents as defined below;

Q is -N= or -CR²=;

X is S, O or NOR³;

Y is -S-, -SO- or -SO₂-;

R is selected from the group consisting of ~~substituted or unsubstituted~~ indole, pyrrole, 7-azaindole, imidazole and indazole- optionally substituted with substituents as defined below;

R¹ is hydrogen, an optionally substituted straight chained or branched C₁-C₁₈ hydrocarbon or cyclic C₃-C₁₈ hydrocarbon which are completely saturated or which contain one or more units of unsaturation or straight chained or branched C₁-C₁₈ hydrocarbon or cyclic C₃-C₁₈ hydrocarbon which are completely saturated or which contain one or more units of unsaturation substituted with substituents as defined below, or optionally substituted benzyl, cinnamyl, naphthyl, 1,2,3,4-tetrahydronaphthyl, pyridinyl, thiophenyl, furanyl, pyrrolyl, imidazolyl, pyrazolyl,

triazolyl, pyrimidinyl, pyrazinyl, pyridazinyl, oxazolyl, thiazolyl, isoxazolyl, isothiazolyl, tetrazolyl, oxadiazolyl, thiazolyl, benzimidazolyl, indolyl, tetrahydroindolyl, azaindolyl, indazolyl, quinoliny, imidazopyridinyl, purinyl, pyrrolyl[2,3-d]pyrimidinyl, pyrazolo[3,4-d]pyrimidinyl and their N-oxides, or a pyridinyl, thiophenyl, furanyl, pyrrolyl, imidazolyl, pyrazolyl, triazolyl, pyrimidinyl, pyrazinyl, pyridazinyl, oxazolyl, thiazolyl, isoxazolyl, isothiazolyl, tetrazolyl, oxadiazolyl or thiadiazolyl substituent linked to a compound by an straight chained or branched or cyclic hydrocarbon group which are completely saturated or unsaturated group having from one to six carbon atoms;

R^2 is -H or a substituent as defined below;

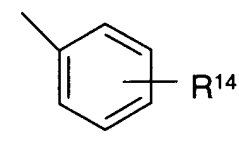
R^3 is -H or $-C(O)R^4$;

R^4 is a straight chained or branched C_1 - C_{18} hydrocarbon or cyclic C_3 - C_{18} hydrocarbon which are completed saturated or which contain one or more units of unsaturation, unsubstituted or substituted with substituents as defined below or a group of benzyl, cinnamyl, naphthyl, 1,2,3,4-tetrahydronaphthyl, pyridinyl, thiophenyl, furanyl, pyrrolyl, imidazolyl, pyrazolyl, triazolyl, pyrimidinyl, pyrazinyl, pyridazinyl, oxazolyl, thiazolyl, ioxazolyl, isothiazolyl, tetrazolyl, oxadiazolyl, thiazolyl, benzimidazolyl, indolyl, tetrahydroindolyl, azaindolyl, indazolyl, quinoliny, imidazopyridinyl, purinyl, pyrrolyl[2,3-d]pyrimidinyl, pyrazolo[3,4-d]pyrimidinyl and their N-oxides substituted with substituents as defined below;

n is 0; and wherein

R^1 is hydrogen, unsubstituted or substituted straight chained or branched C_1 - C_{18} hydrocarbon or cyclic C_3 - C_{18} hydrocarbon which are completed saturated or which contain one or more units of unsaturation substituted with substituents as defined below;

when X is O and n is 0, R^1 is hydrogen straight chained or branched C_1 - C_{18} hydrocarbon or cyclic C_3 - C_{18} hydrocarbon which are completed saturated or which contain one or more units of unsaturation substituted with substituents as defined below;
provided that R is not 2-thienyl, benzoxadiazolyl, or



where R¹⁴ is H, CF₃, phenyl, -OCH₃, -O-phenyl, NO₂ or -OC(O)CH₃ and

when X is O and n is 1, R¹ is H straight chained or branched C₁-C₁₈ hydrocarbon or cyclic C₃-C₁₈ hydrocarbon which are completely saturated or which contain one or more units of unsaturation;

wherein substituents are selected from the group consisting of halogens, trihalomethyl, cyano, hydroxy, nitro, -NR⁵R⁶, carbamoyl, carboxy, carboxamidoxime, -SO₂NR⁵R⁶, -NHSO₂R⁵, R⁷-O-R⁸- or R⁷-O-R⁸-O-R⁹-, R¹¹-, R¹¹O-, R¹¹OC(O)-, R¹¹NHC(O)-, R¹¹C(O)-, R¹¹C(O)O-, R¹¹S-, R¹¹S(O)-, R¹¹S(O)₂-, R⁵R⁶NC(O)-, R¹¹HNC(O)NH-, R¹²(CH₂)_m-, R¹²(CH₂)_mC(O)NH-, R¹²(CH₂)_mO-, R¹²(CH₂)_mNH-, [R¹²(CH₂)_m]₂CH-O-(CH₂)_m-, R¹²(CH₂)_mOC(O)-, R¹²(CH₂)_mNHC(O)-, R¹²(CH₂)_mCH(R¹²)(CH₂)_m-, R¹²(CH₂)_mC(O)O-, R¹²(CH₂)_mNHC(O)O-, R¹²(CH₂)_mOC(O)NH-, R¹²(CH₂)_mOC(O)O-, R¹²(CH₂)_mNHC(O)(CH₂)_m-, R¹²(CH₂)_mOC(O)(CH₂)_m-, R¹²(CH₂)_m(CR⁵R⁶)_m(CH₂)_mN(R⁵)(CH₂)_m-, R¹²C(O)(CH₂)_m-, R¹²(CH₂)_m(CR⁵R⁶)_m(CH₂)_mN(R⁵)C(O)(CH₂)_m-, R¹²(CH₂)_m(CR⁵R⁶)_m(CH₂)_mN(R⁵)(CH₂)_mC(O)-, [R¹²(CH₂)_m]₂NC(O)(CH₂)_m-, R¹²(CH₂)_mC(O)-, R¹²(CH₂)_m(CR⁵R⁶)_m(CH₂)_mN(R⁵)SO₂-, and R¹²(CH₂)_m(CR⁵R⁶)_m(CH₂)_mO(CH₂)_m-;

wherein R⁵ and R⁶ are each, independently, hydrogen, a lower alkyl, benzyl, pyridinyl-, thiophenyl-, furanyl-, pyrrolyl-, imidazolyl-, pyrazolyl-, triazolyl-, pyrimidinyl-, pyrazinyl-, pyridazinyl-, oxazolyl-, thiazolyl-, isoxazolyl-, isothiazolyl-, tetrazolyl-, oxadiazolyl-, thiadiazolyl-, benzimidazolyl-, indolylmethyl or pyridinyl, thiophenyl, furanyl, pyrrolyl, imidazolyl, pyrazolyl, triazolyl, pyrimidinyl, pyrazinyl, pyridazinyl, oxazolyl, thiazolyl, isoxazolyl, isothiazolyl, tetrazolyl, oxadiazolyl or thiadiazolyl group optionally substituted with a halogen, cyano or hydroxy group;

R⁷ is hydrogen, R¹⁰C(O)-, or a lower alkyl or pyridinyl, thiophenyl, furanyl, pyrrolyl, imidazolyl, pyrazolyl, triazolyl, pyrimidinyl, pyrazinyl, pyridazinyl, oxazolyl, thiazolyl, isoxazolyl, isothiazolyl, tetrazolyl, oxadiazolyl or thiadiazolyl group which is optionally substituted with one or more halogens, cyano, hydroxy or -NR⁵R⁶;

R⁸ and R⁹ are each, independently, -C(O)- or a lower alkyl or pyridinyl, thiophenyl, furanyl, pyrrolyl, imidazolyl, pyrazolyl, triazolyl, pyrimidinyl, pyrazinyl, pyridazniyl, oxazolyl, thiazolyl, isoxazolyl, isothiazolyl, tetrazolyl, oxadiazolyl or thiadiazolyl group which is optionally substituted with one or more halogens, cyano, hydroxy or -NR⁵N⁶; and

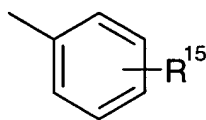
R¹⁰ is a lower alkyl or an pyridinyl, thiophenyl, furanyl, pyrrolyl, imidazolyl, pyrazolyl, triazolyl, pyrimidinyl, pyrazinyl, pyridazniyl, oxazolyl, thiazolyl, isoxazolyl, isothiazolyl, tetrazolyl, oxadiazolyl or thiadiazolyl group;

R¹¹ is hydrogen, a lower alkyl group, pyridinyl, thiophenyl, furanyl, pyrrolyl, imidazolyl, pyrazolyl, triazolyl, pyrimidinyl, pyrazinyl, pyridazniyl, oxazolyl, thiazolyl, isoxazolyl, isothiazolyl, tetrazolyl, oxadiazolyl or thiadiazolyl group or an aromatic group having five to six atoms substituent that is linked to a compound by straight chained or branched group having from one to six carbon atoms which are completely saturated or which contain one or more units of unsaturation, where these groups are optionally substituted with one or more halogens, cyano, hydroxy or -NR⁵R⁶;

R¹² is halogen, carboxy, carbamoyl, lower alkyloxycarbonyl, lower alkenyl, hydroxy, a lower alkyloxy, lower alcanoyloxy, -NR⁵R⁶ or is selected from the group consisting of morpholinyl, piperazinyl, piperidinyl, pyrrolidinyl, homopiperazinyl, pyridinyl, triazolyl, tetrazolyl, imidazolyl and hydropyranyl optionally substituted with an hydroxy, lower alkyl, lower alkyloxy, lower hydroxyalkyl, lower aminoalkyl, lower alkyloxyalkyl, a saturated or unsaturated heterocyclic ring, cycloalkyl or -NR⁵R⁶ group;

m is independently an integer from 0 to 4;

provided that R is not



where R¹⁵ is H, Cl, CH₃ or CF₃.

Claim 20 (Currently Amended): A compound of Claim 18, wherein Q is CH₂; Y is S; and R is selected from the group consisting of substituted or unsubstituted pyrrole, imidazole, ~~oxazole, isoxazole, thiazole, isothiazole, triazole, tetrazole~~, indole, 7-azaindole, and indazole, ~~purine, pyrrolo-pyrimidine, pyrazolo-pyrimidine, imidazo-pyridine, imidazo-pyrimidine, imidazo-pyridine, pyrrolo-pyridine, pyrrolo-pyrimidine, pyrrolo-quinoline, pyrrolo-pyrazine, and 6,7,8,9-tetrahydropyrido-indole.~~

Claim 21 (Cancelled)

Claim 22 (Currently Amended) A compound of Claim ~~21~~ 20 wherein R is optionally substituted with one or more moieties selected from the group consisting of halogens, trihalomethyl, cyano, hydroxy, nitro, -NR⁵R⁶, carbamoyl, carboxy, carboxamidoxime, -SO₂NR⁵R⁶, -NH₂SO₂R⁵, R⁷-O-R⁸-, R⁷-O-R⁸-O-R⁹-, R¹¹-, R¹¹O-, R¹¹OC(O)-, R¹¹N(R⁵)C(O)-, R¹¹C(O)-, R¹¹C(O)O-, R¹¹S-, R¹¹S(O)-, R¹¹S(O)₂-, (R⁵R⁶)NC(O)-, R¹¹(R⁵)NC(O)N(R⁵)-, R¹¹C(O)N(R⁵)-, R¹²(CH₂)_m-, R¹²(CH₂)_mC(O)N(R⁵)-, R¹²(CH₂)_mO-, R¹²(CH₂)_mN(R⁵)-, [R¹²(CH₂)_m]₂CH-O-(CH₂)_m-, R¹²(CH₂)_mOC(O)-, R¹²(CH₂)_mN(R⁵)C(O)-, R¹²(CH₂)_mCH(R¹²)(CH₂)_m-, R¹²(CH₂)_mC(O)O-, R¹²(CH₂)_mN(R⁵)C(O)O-, R¹²(CH₂)_mOC(O)N(R⁵)-, R¹²(CH₂)_mOC(O)O-, R¹²(CH₂)_mN(R⁵)C(O)(CH₂)_m-, R¹²(CH₂)_mOC(O)(CH₂)_m-, R¹²(CH₂)_m(CR⁵R⁶)_m(CH₂)_mN(R⁵)(CH₂)_m-, R¹²(CH₂)_mC(O)-, R¹²C(O)(CH₂)_m-, R¹²(CH₂)_m(CR⁵R⁶)_m(CH₂)_mN(R⁵)C(O)(CH₂)_m-, R¹²(CH₂)_m(CR⁵R⁶)_m(CH₂)_mN(R⁵)(CH₂)_mC(O)-, [R¹²(CH₂)_m]₂NC(O)(CH₂)_m-, R¹²(CH₂)_mC(O)-, R¹²(CH₂)_m(CR⁵R⁶)_m(CH₂)_mN(R⁵)SO₂-, R¹²(CH₂)_m(CR⁵R⁶)_m(CH₂)_mO(CH₂)_m-,

wherein:

R⁵ and R⁶ for each occurrence are each independently selected from the group consisting of hydrogen, a lower alkyl, benzyl, heteroarylmethyl and aryl group optionally substituted with a halogen, cyano or hydroxy group;

R⁷ for each occurrence is independently selected from the group consisting of hydrogen, R¹⁰C(O)-, a lower alkyl and an aryl group optionally substituted with one or more halogens, cyano, hydroxy or -NR⁵R⁶;

R^8 and R^9 for each occurrence are each independently selected from the group consisting of $-C(O)-$, a lower alkyl or an aryl group optionally substituted with one or more halogens, cyano, hydroxy or $-NR^5R^6$;

R^{10} for each occurrence is independently selected from a group consisting of a lower alkyl and an aryl group optionally substituted with one or more halogens, cyano, hydroxy or $-NR^5R^6$;

R^{11} for each occurrence is independently hydrogen or selected from an optionally substituted group consisting of a lower alkyl group, a saturated or unsaturated heterocyclic ring, an aryl group and an aralkyl group, where said groups are optionally substituted with one or more halogens, cyano, hydroxy or $-NR^5R^6$;

R^{12} for each occurrence is independently selected from the group consisting of halogen, carboxy, carbamoyl, lower alkyloxycarbonyl, lower alkenyl, hydroxy, a lower alkyloxy, a lower alcanoyloxy, and $-NR^5R^6$; or is selected from an optionally substituted group consisting of morpholine, piperazine, piperidine, pyrrolidine, homopiperazine, pyridine, triazole, tetrazole, imidazole and tetrahydropyran, where said groups are optionally substituted with one or more hydroxy, lower alkyl, lower alkyloxy, lower hydroxyalkyl, lower aminoalkyl, lower alkyloxyalkyl, a saturated or unsaturated heterocyclic ring, cycloalkyl or $-NR^5R^6$ group; and

m is independently an integer from 0 to 4.

Claim 23 (Original): A compound of Claim 22, wherein X is O and n is 0.

Claim 24 (Original): A compound of Claim 22, wherein X is S.

Claim 25 (Original): A compound of Claim 22, wherein X is NOR_3 .

Claim 26 (Currently Amended): A compound of Claim 23 wherein R is selected from the group consisting of:

pyrrol-2-yl,
5-methylpyrrol-2-yl,
3,5-dimethylpyrrol-2-yl,
4,5-dimethylpyrrol-2-yl,
4-ethyl-3,5-dimethylpyrrol-2-yl,

4-ethoxycarbonyl-3,5-dimethylpyrrol-2-yl,
1-methylpyrrol-2-yl,
1-(4-hydroxybutyl)pyrrol-2-yl,
1-(2-hydroxyethyl)pyrrol-2-yl,
1-(3-dimethylaminopropyl)pyrrol-2-yl,
4-bromopyrrol-2-yl,
1-[N-(2-morpholinoethyl)carbamoylmethyl]pyrrol-2-yl,
1-(ethoxycarbonylmethyl)pyrrol-2-yl,
1-(carboxymethyl)pyrrol-2-yl,
1-[N-(3-dimethylaminopropyl)carbamoylmethyl]pyrrol-2-yl,
1-[(4-methylpiperazin-1-yl)carbonylmethyl]pyrrol-2-yl,
indol-3-yl,
1-(4-hydroxybutyl)indol-3-yl,
5-methoxyindol-3-yl,
1-(2-hydroxyethyloxymethyl)indol-3-yl,
1-(3-dimethylaminopropyl)indol-3-yl,
6-methoxycarbonylindol-3-yl,
2-methylindol-3-yl,
1-methylindol-3-yl,
1-isopropylindol-3-yl,
1-(2-hydroxy-3-dimethylaminopropyl)indol-3-yl,
5-hydroxyindol-3-yl,
6-carboxyindol-3-yl,
5-amino-2-methylindol-3-yl,
6-(2-dimethylaminoethyloxycarbonyl)indol-3-yl,
6-(2-morpholinoethyloxycarbonyl)indol-3-yl,
6-(3-dimethylaminopropylcarbamoyl)indol-3-yl,
1-(carbamoylmethyl)indol-3-yl,
8-hydroxymethyl-6,7,8,9-tetrahydropyrido[1,2-a]indol-10-yl,
1-(ethoxycarbonylmethyl)indol-3-yl,
4-methoxycarbonylindol-3-yl,
1-(2-ethoxycarbonylethyl)indol-3-yl,

7-methoxycarbonylindol-3-yl,
2-ethoxycarbonylindol-3-yl,
1-cyclopentylindol-3-yl,
1-(3-tetrahydrofuranyl)indol-3-yl,
6-(N,N-dimethylaminosulfonyl)indol-3-yl,
5-(acetylaminomethyl)indol-3-yl,
1-(diethylcarbamoyl)indol-3-yl,
5-hydroxy-1-methylindol-3-yl,
6-methoxyindol-3-yl,
6-hydroxyindol-3-yl,
6-[2-(pyrrolidin-1-yl)ethyloxycarbonyl]indol-3-yl,
6-(2-dimethylaminoethyloxycarbonyl)-1-methylindol-3-yl,
6-(3-dimethylaminopropylloxycarbonyl)indol-3-yl,
6-carboxy-1-(2-hydroxyethyl)indol-3-yl,
6-{N-[2-(pyrrolidin-1-yl)ethyl]carbamoyl}indol-3-yl,
6-[N-(2-morpholinoethyl) carbamoyl]indol-3-yl,
6-[N-(2-dimethylaminoethyl)carbamoyl]indol-3-yl,
6-{N-[3-(4-methylpiperazin-1-yl)propyl]carbamoyl}indol-3-yl,
6-{N-[2-(piperidin-1-yl)ethyl]carbamoyl}indol-3-yl,
6-[N-(2-dimethylaminopropyl)carbamoyl]indol-3-yl,
6-{[N-(2-dimethylaminoethyl)-N-methyl]carbamoyl}indol-3-yl ,
6-[(4-methylpiperazin-1-yl)carbonyl]indol-3-yl,
5-[2-(piperidin-1-yl)ethyloxy]indol-3-yl,
5-(3-dimethylaminopropoxy)indol-3-yl,
5-(2-morpholinoethyloxy) indol-3-yl,
5-(3-dimethylaminopropoxy)-1-(isopropylloxycarbonyl)indol-3-yl,
5-(3-dimethylaminopropoxy)-1-methylindol-3-yl,
5-(2-morpholinoethyloxy)-1-methylindol-3-yl,
5-[2-(pyrrolidin-1-yl)ethyloxy]indol-3-yl,
5-(2-dimethylaminoethyloxy)indol-3-yl,
6-(3-dimethylaminopropoxy)indol-3-yl,
6-(2-morpholinoethyloxy)indol-3-yl,

6-[2-(piperidin-1-yl)ethyloxy]indol-3-yl,
6-[2-(pyrrolidin-1-yl)ethyloxy]indol-3-yl,
6-(2-dimethylaminoethyloxy)indol-3-yl,
6-[(2-dimethylamino-2-methyl)propyloxy]indol-3-yl,
6-[2-(1-methylpyrrolidin-2-yl)ethyloxy]indol-3-yl,
6-[2-(1-methylpiperidin-3-yl)methyloxy]indol-3-yl,
7-(dimethylaminomethyl)-6-hydroxyindol-3-yl,
7-(dimethylaminomethyl)-6-(2-morpholinoethyloxy)indol-3-yl,
2-methyl-5-(N'-ethylureido)indol-3-yl,
2-methyl-5-(p-toluensulfonylamino)indol-3-yl,
6-[(3-dimethylaminopropyl)aminomethyl]indol-3-yl,
6-[(2-methoxyethyl)aminomethyl]indol-3-yl,
1-(carboxymethyl)indol-3-yl,
1-[N-(2-morpholinoethyl)carbamoylmethyl]indol-3-yl,
1-[N-(2-methoxyethyl)carbamoylmethyl]indol-3-yl,
1-[N-(3-dimethylaminopropyl)carbamoylmethyl]indol-3-yl,
1-{N-(2-(2-pyridyl)ethyl) carbamoylmethyl}indol-3-yl,
1-{N-[2-(pyrrolidin-1-yl)ethyl]carbamoylmethyl}indol-3-yl,
7-[N-(3-dimethylaminopropyl)carbamoyl]indol-3-yl,
1-[(4-methylpiperazin-1-yl)carbonylmethyl]indol-3-yl,
1-[N,N-bis(2-N',N'-diethylaminoethyl)carbamoylmethyl]indol-3-yl,
1-[(4-piperidinopiperidin-1-yl)carbonylmethyl]indol-3-yl,
1-{[N-(2-N',N'-diethylaminoethyl)-N-methyl]carbamoylmethyl}indol-3-yl,
7-carboxyindol-3-yl,
7-[(4-methylpiperazin-1-yl)carbonyl]indol-3-yl,
7-{[4-(2-hydroxyethyl)piperazin-1-yl]carbonyl}indol-3-yl,
7-azaindol-3-yl,
1-(4-hydroxybutyl)-7-azaindol-3-yl,
1-(2-hydroxyethyloxymethyl)-7-azaindol-3-yl,
1-(3-dimethylaminopropyl)-7-azaindol-3-yl,
1-(2-morpholinoethyl)-7-azaindol-3-yl,
1-(4-acetoxybutyl)-7-azaindol-3-yl,

1-(2-hydroxyethyl)-7-azaindol-3-yl,
1-methyl-7-azaindol-3-yl,
1-methoxymethyl-7-azaindol-3-yl,
1-(2-dimethylaminomethyl)-7-azaindol-3-yl,
1-(ethoxycarbonylmethyl)-7-azaindol-3-yl,
1-[N-(2-morpholinoethyl)carbamoylmethyl]-7-azaindol-3-yl,
1-carboxymethyl-7-azaindol-3-yl,
1-{N-[3-(4-methylpiperazin-1-yl)propyl]carbamoylmethyl}-7-azaindol-3-yl,
1-[(4-methylpiperazin-1-yl)carbamoylmethyl]-7-azaindol-3-yl,
1-{[N-(2-N',N'-diethylaminoethyl)-N-methyl]carbamoylmethyl}-7-azaindol-3-yl,
1-{[N-(1-ethylpyrrolidin-2-yl)methyl]carbamoylmethyl}-7-azaindol-3-yl,
1-[(4-methylhomopiperazin-1-yl)carbonylmethyl]-7-azaindol-3-yl,
1-[(4-ethylpiperazin-1-yl)carbonylmethyl]-7-azaindol-3-yl,
1-[(4-piperidinopiperidin-1-yl)carbonylmethyl]-7-azaindol-3-yl,
1-[N,N-bis(2-N',N'-diethylaminoethyl)carbamoylmethyl]-7-azaindol-3-yl,
7-benzyloxy pyrrolo[2,3-c]pyridin-5-yl,
7-hydroxy pyrrolo[2,3-c]pyridin-5-yl,
~~1-(2-dimethylaminoethyl)-7-hydroxy pyrrolo[2,3-c]pyridin-5-yl,~~
imidazol-2-yl,
4-trifluoromethylimidazol-2-yl,
4-cyanoimidazol-2-yl,
1-methyl-1H-benzo[d]imidazol-2-yl,
imidazol-5-yl,
4(5)-methylimidazol-5(4)-yl,
2-methylimidazol-5-yl,
2-ethyl-4(5)-methylimidazol-5(4)-yl,
3-(2-diethylaminoethyl)-4-methylimidazol-5-yl,
1-(2-diethylaminoethyl)-4-methylimidazol-5-yl,
1-(2-morpholinoethyl)-4-methylimidazol-5-yl,
3-(2-morpholinoethyl)-4-methylimidazol-5-yl,
1-methyl-2-methylthioimidazol-5-yl,
4(5)-methoxycarbonylimidazol-5(4)-yl,

4(5)-hydroxymethylimidazol-5(4)-yl,
furan-3-yl,
thien-3-yl,
3-methylpyrazol-4-yl,
3-phenylpyrazol-4-yl,
1-(2-diethylaminoethyl)-3-methylpyrazol-4-yl,
1-(2-diethylaminoethyl)-5-methylpyrazol-4-yl,
1-(2-morpholinoethyl)-3-methylpyrazol-4-yl,
1-(2-morpholinoethyl)-5-methylpyrazol-4-yl,
1-methylpyrazol-4-yl,
1-tert-butylpyrazol-4-yl,
1-ethoxycarbonylmethyl-3-methylpyrazol-4-yl,
1-ethoxycarbonylmethyl-5-methylpyrazol-4-yl,
1-carboxymethyl-3-methylpyrazol-4-yl,
1-carboxymethyl-5-methylpyrazol-4-yl,
1-[N-(2-dimethylaminoethyl)carbamoylmethyl]-3-methylpyrazol-4-yl,
1-[N-[3-(4-methylpiperazin-1-yl)propyl]carbamoylmethyl]-3-methylpyrazol-4-yl,
1-[N-(2-dimethylaminoethyl)carbamoylmethyl]-5-methylpyrazol-4-yl,
1-[N-(2-morpholinoethyl)carbamoylmethyl]-3-methylpyrazol-4-yl,
1-[(4-piperidinopiperidin-1-yl)carbonylmethyl]-3-methylpyrazol-4-yl,
1-[[N-(2-N',N'-diethylaminoethyl)-N-methyl]carbamoylmethyl]-3-methylpyrazol-4-yl,
1-[(4-methylpiperazin-1-yl)carbonylmethyl]-5-methylpyrazol-4-yl,
1-[(4-methylpiperazin-1-yl)carbonylmethyl]-3-methylpyrazol-4-yl,
1-[N-[3-(imidazol-1-yl)propyl]carbamoylmethyl]-3-methylpyrazol-4-yl,
1-[[4-(2-hydroxyethyl)piperazin-1-yl]carbonylmethyl]-5-methylpyrazol-4-yl,
1-[[4-(2-(2-hydroxyethoxy)ethyl)piperazin-1-yl]carbonylmethyl]-5-methylpyrazol-4-yl,
indol-2-yl,
pyrrol-3-yl,
indazol-3-yl,
thiazol-2-yl,
pyrazol-3-yl,
5(3)-ethoxycarbonylpyrazol-3(5)-yl,

~~5(3) [N-(2-morpholinoethyl)carbamoyl]pyrazol-3(5)-yl,~~
~~5(3) [N-(2-methoxyethyl)carbamoyl]pyrazol-3(5)-yl,~~
~~5(3) {N-[2-(pyrrolidin-1-yl)ethyl]carbamoyl}pyrazol-3(5)-yl,~~
~~5(3) [N-(3-dimethylaminopropyl)carbamoyl]pyrazol-3(5)-yl,~~
~~2-(dimethylamino)thiazol-5-yl,~~
~~indol-4-yl,~~
3-(morpholinomethyl)indol-4-yl,
indol-7-yl,
3-(dimethylaminomethyl)indol-7-yl,
3-(morpholinomethyl)indol-7-yl,
3-(piperidinomethyl)indol-7-yl,
3-[(4-methylpiperazin-1-yl)methyl]indol-7-yl,
3,5-dimethyl-4-dimethylaminomethylpyrrol-2-yl,
4-carboxyimidazol-2-yl,
7-{N-[3-(imidazol-1-yl)propyl]carbamoyl}indol-3-yl,
7-{N-[3-(4-methylpiperazin-1-yl)propyl]carbamoyl}indol-3-yl,
7-[N-(2-dimethylaminopropyl)carbamoyl]indol-3-yl,
7-{N-[2-(pyrrolidin-1-yl)ethyl]carbamoyl}indol-3-yl,
7-[(4-ethylpiperazin-1-yl)carbonyl]indol-3-yl,
7-[(4-methylhomopiperazin-1-yl)carbonyl]indol-3-yl,
3-{[4-(2-hydroxyethyl)piperazin-1-yl]methyl}indol-7-yl,
3-[(4-hydroxypiperidin-1-yl)methyl]indol-7-yl,
1-[(piperazin-1-yl)carbonylmethyl]-7-azaindol-3-yl,
1-[(piperazin-1-yl)carbonylmethyl]indol-3-yl,
~~1-[(piperazin-1-yl)carbonylmethyl]-3-methyl-1H-pyrazol-4-yl,~~
~~1-[N-[2-(pyrrolidin-1-yl)ethyl]carbamoylmethyl]-3-methyl-1H-pyrazol-4-yl,~~
~~1-[N-(2-dimethylaminopropyl)carbamoylmethyl]-3-methyl-1H-pyrazol-4-yl,~~
3-(2-dimethylaminoacetyl)indol-7-yl,
6-[(2-morpholinoethyl)aminomethyl]indol-3-yl,
6-{[2-(pyrrolidin-1-yl)ethyl]aminomethyl}indol-3-yl,
6-[(3-methoxycarbonylpropyl)oxy]indol-3-yl,
6-{[(3-(4-methylpiperazin-1-yl)carbonyl)propyloxy]indol-3-yl,

6-{3-[N-(2-dimethylaminoethyl)-N-methylcarbamoyl]propyloxy}indol-3-yl,
6-[(2-hydroxyethyl)oxymethyloxy]indol-3-yl,
6-{3-[(4-piperidinopiperidin-1-yl)carbonyl]propyloxy}indol-3-yl,
6-{3-{[4-(2-hydroxyethyl)piperazin-1-yl]carbonyl}propyloxy}indol-3-yl,
6-[(4-methylpiperazin-1-yl)methyl]indol-3-yl,
6-{[N-(2-dimethylaminoethyl)-N-methyl]aminomethyl}indol-3-yl,
7-(dimethylaminomethyl)-6-(2-methoxyethyloxy)indol-3-yl,
7-(dimethylaminomethyl)-6-(3-methoxycarbonylpropyloxy)indol-3-yl,
7-(dimethylaminomethyl)-6-{[3-(4-methylpiperazin-1-yl)carbonyl]propyloxy}indol-3-yl,
7-(dimethylaminomethyl)-6-[(2-hydroxyethyl)oxymethyloxy]indol-3-yl,
6-(2-methoxyethyloxy)-7-[(pyrrolidin-1-yl)methyl]indol-3-yl,
6-{[3-(4-methylpiperazin-1-yl)carbonyl]propyloxy}-7-[(pyrrolidin-1-yl)methyl]indol-3-yl,
6-[(2-hydroxyethyl)oxymethyloxy]-7-[(pyrrolidin-1-yl)methyl]indol-3-yl,
7-[[pyrrolidin-1-yl)methyl]-6-{[2-(pyrrolidin-1-yl)ethyl]oxy}indol-3-yl,
6-[2-(pyrrolidin-1-yl)ethyloxy]-7-azaindol-3-yl,
6-(2-piperidinoethyloxy)-7-azaindol-3-yl,
6-[(2-dimethylamino-2-methyl)propyloxy]-7-azaindol-3-yl,
6[(2-hydroxyethyl)aminomethylcarbonyl]indol-3-yl,
6-{[2-(pyrrolidin-1-yl)ethyl]aminomethylcarbonyl}indol-3-yl,
6-[(2-diethylaminoethyl)aminomethylcarbonyl]indol-3-yl,
4-carbamoylimidazol-2-yl,
4(5)-methyl-2-(methylmercapto)imidazol-5(4)-yl,
4(5)-methyl-2-(methylsulfonyl)imidazol-5(4)-yl,
2-amino-4(5)-methylimidazol-5(4)-yl,
4(5)-dimethylaminomethylimidazol-5(4)-yl,
4(5)-methylaminomethylimidazol-5(4)-yl,
4(5)-diethylaminomethylimidazol-5(4)-yl,
6-(N-methylaminosulfonyl)indol-3-yl,
6-[N-(3-dimethylaminopropyl)sulfonyl]indol-3-yl,
6-{N-[2-(pyrrolidin-1-yl)ethyl]aminosulfonyl}indol-3-yl,
6-{N-[2-piperidinoethyl]aminosulfonyl}indol-3-yl,

6-[N-(2-morpholinoethyl)aminosulfonyl}indol-3-yl,
6-{N-[2-(piperidinomethyl)aminosulfonyl}indol-3-yl,
6-{N-[3-(4-methylpiperazin-1-yl)propyl]aminosulfonyl}indol-3-yl,
7-[N-(2-morpholinoethyl)carbamoyl}indol-3-yl,
7-[N-(2-piperidinoethyl)carbamoyl}indol-3-yl,
7-{[N-(2-N',N'-diethylaminoethyl)-N-methyl]carbamoyl} indol-3-yl,
7-[N-(2-methoxyethyl)carbamoyl}indol-3-yl,
7-[(4-piperidinopiperidin-1-yl)carbonyl]indol-3-yl,
7-[(piperazin-1-yl)carbonyl]indol-3-yl,
7-{N-[(2,2,N',N'-tetramethyl)propyl]carbamoyl}indol-3-yl,
7-{N-[(1-ethylpyrrolidin-2-yl)methyl]carbamoyl}indol-3-yl,
7-{N-[2-(2-pyridyl)ethyl]carbamoyl}indol-3-yl,
6-{N-[2-(2-pyridyl)ethyl]carbamoyl}indol-3-yl,
6-[(4-piperidinopiperidin-1-yl)carbonyl]indol-3-yl,
6-[(piperazin-1-yl)carbonyl]indol-3-yl,
6-{N-[(2,2,N',N'-tetramethyl)propyl]carbamoyl}indol-3-yl,
6-{N-[(1-ethylpyrrolidin-2-yl)methyl]carbamoyl}indol-3-yl,
6-[(4-methylhomopiperazin-1-yl)carbonyl]indol-3-yl,
6-[(4-butylpiperazin-1-yl)carbonyl]indol-3-yl,
6-[(4-ethylpiperazin-1-yl)carbonyl]indol-3-yl,
6-{[4-(2-(pyrrolidin-1-yl)ethyl)piperidin-1-yl]carbonyl}indol-3-yl,
6-{[N-(3-dimethylamino)prop-2-yl]carbamoyl}indol-3-yl,
6-{N-[3-(imidazol-1-yl)propyl]carbamoyl}indol-3-yl,
6-{[4-(2-hydroxyethyl)piperazin-1-yl]carbonyl}indol-3-yl,
3-[(4-ethylpiperazin-1-yl)methyl]indol-7-yl,
3-[(pyrrolidin-1-yl)methyl]indol-7-yl,
3-[(4-methylhomopiperazin-1-yl)methyl]indol-7-yl,
3-(diethylaminomethyl)indol-7-yl,
3-{[N-(2-N',N'-dimethylaminoethyl)-N-methyl]aminomethyl}indol-7-yl,
3-[(4-piperidinopiperidin-1-yl)methyl]indol-7-yl,
3-(2-piperidinoacetyl)indol-7-yl,
3-[2-(pyrrolidin-1-yl)acetyl]indol-7-yl,

3-(2-diethylaminoacetyl)indol-7-yl,
3-[2-(4-methylpiperazin-1-yl)acetyl]indol-7-yl,
3-[2-(4-methylhomopiperazin-1-yl)acetyl]indol-7-yl,
3-(2-morpholinoacetyl)indol-7-yl,
3-{2-[(2-methoxyethyl)amino]acetyl}indol-7-yl,
3-{2-[(2-piperidinoethyl)amino]acetyl}indol-7-yl,
3-{2-{[3-(imidazol-1-yl)propyl]amino}acetyl}indol-7-yl,
6-[3-(carboxypropyl)oxy]indol-3-yl,
6-{3-[(4-methylhomopiperazin-1-yl)carbonyl]propyloxy}indol-3-yl,
6-[(2-homopiperidin-1-yl)ethyloxy]indol-3-yl,
6-[(2-diethylamino-1-methyl)ethyloxy]indol-3-yl,
6-{2-[(tetrahydropyran-2-yl)oxy]ethyloxy}indol-3-yl,
6-[(2-hydroxyethyl)oxy]indol-3-yl,
6-[2-(isopropyloxy)ethyloxy]indol-3-yl,
6-[2-(methoxyethyl)oxy]indol-3-yl,
6-[(3-methoxypropyl)oxy]indol-3-yl,
6-[(3-methoxybutyl)oxy]indol-3-yl,
6-{[(N,N-diethylcarbamoyl)methyl]oxy}indol-3-yl,
7-[2-(piperidin-1-yl)ethyloxy]indol-3-yl,
7-[(2-homopiperidin-1-yl)ethyloxy]indol-3-yl,
7-[(2-diethylamino-1-methyl)ethyloxy]indol-3-yl,
7-{2-[(tetrahydropyran-2-yl)oxy]ethyloxy}indol-3-yl,
7-[(2-hydroxyethyl)oxy]indol-3-yl,
7-[2-(isopropyloxy)ethyloxy]indol-3-yl,
7-[2-(methoxyethyl)oxy]indol-3-yl,
7-[(3-methoxypropyl)oxy]indol-3-yl,
7-[(3-methoxybutyl)oxy]indol-3-yl,
7-{[(N,N-diethylcarbamoyl)methyl]oxy}indol-3-yl,
7-(dimethylaminomethyl)-6-[(2-piperidin-1-yl)ethyloxy]indol-3-yl,
7-(dimethylaminomethyl)-6-[(2-homopiperidin-1-yl)ethyloxy]indol-3-yl,
7-(dimethylaminomethyl)-6-{2-[(tetrahydropyran-2-yl)oxy]ethyloxy}indol-3-yl,
7-(dimethylaminomethyl)-6-[(2-hydroxyethyl)oxy]indol-3-yl,

7-(dimethylaminomethyl)-6-[2-(isopropoxy)ethoxy]indol-3-yl,
7-(dimethylaminomethyl)-6-[2-(methoxyethyl)oxy]indol-3-yl,
7-(dimethylaminomethyl)-6-[(3-methoxypropyl)oxy]indol-3-yl,
7-(dimethylaminomethyl)-6-[(3-methoxybutyl)oxy]indol-3-yl,
7-[(pyrrolidin-1-yl)methyl]-6-[(2-piperidin-1-yl)ethoxy]indol-3-yl,
7-[(pyrrolidin-1-yl)methyl]-6-[(2-homopiperidin-1-yl)ethoxy]indol-3-yl,
7-[(pyrrolidin-1-yl)methyl]-6-{2-[(tetrahydropyran-2-yl)oxy]ethoxy}indol-3-yl,
7-[(pyrrolidin-1-yl)methyl]-6-[(2-hydroxyethyl)oxy]indol-3-yl,
7-[(pyrrolidin-1-yl)methyl]-6-[2-(isopropoxy)ethoxy]indol-3-yl,
7-[(pyrrolidin-1-yl)methyl]-6-[2-(methoxyethyl)oxy]indol-3-yl,
7-[(pyrrolidin-1-yl)methyl]-6-[(3-methoxypropyl)oxy]indol-3-yl,
7-[(pyrrolidin-1-yl)methyl]-6-[(3-methoxybutyl)oxy]indol-3-yl,
6-[(2-homopiperidin-1-yl)ethoxy]-7-azaindol-3-yl,
6-[(2-diethylamino-1-methyl)ethoxy]-7-azaindol-3-yl,
6-{2-[(tetrahydropyran-2-yl)oxy]ethoxy}-7-azaindol-3-yl,
6-[(2-hydroxyethyl)oxy]-7-azaindol-3-yl,
6-[2-(isopropoxy)ethoxy]-7-azaindol-3-yl,
6-[2-(methoxyethyl)oxy]-7-azaindol-3-yl,
6-[(3-methoxypropyl)oxy]-7-azaindol-3-yl,
6-[(3-methoxybutyl)oxy]-7-azaindol-3-yl,
6-{[(N,N-diethylcarbonyl)methyl]oxy}-7-azaindol-3-yl,
6-{4-(2-hydroxyethyl)piperazin-1-yl}methyl}indol-3-yl,
6-[(4-methylhomopiperazin-1-yl)]methylindol-3-yl,
6-[(4-piperidinopiperidin-1-yl)methyl]indol-3-yl,
6-{[3-(isopropoxy)propyl]aminomethyl}indol-3-yl,
6-{[3,3-bis(ethoxy)propyl]aminomethyl}indol-3-yl,
6-[(2,2-dimethyl-1,3-dioxolane-4-methane)aminomethyl]indol-3-yl,
6-{3-[(2-methoxyethyl)oxypropyl]aminomethyl}indol-3-yl,
6-{[3-(ethoxy)propyl]aminomethyl}indol-3-yl,
6-[3-(butyloxy)propyl]aminomethyl}indol-3-yl,
6-[(3-methoxypropyl)aminomethyl]indol-3-yl,
6-(chloromethylcarbonyl)indol-3-yl,

6- [2-(isopropoxyethyl)aminomethylcarbonyl]indol-3-yl,
6- {[(2-piperidin-1-yl)ethyl]aminomethylcarbonyl } indol-3-yl,
6- {[(2-homopiperidin-1-yl)ethyl]aminomethylcarbonyl } indol-3-yl,
6- { 4-(2-hydroxyethyl)piperazin-1-yl]methylcarbonyl } indol-3-yl,
6- {[(4-methylhomopiperazin-1-yl)]methyl } carbonylindol-3-yl,
6- [(4-piperidinopiperidin-1-yl)methylcarbonyl]indol-3-yl,
6- { [3-(isopropoxy)propyl]aminomethylcarbonyl } indol-3-yl,
6- { [3,3-bis(ethyloxy)propyl]aminomethylcarbonyl } indol-3-yl,
6- [(2,2-dimethyl-1,3-dioxolane-4-methane)aminomethylcarbonyl]indol-3-yl,
6- { 3-[(2-methoxyethyl)oxypropyl]aminomethylcarbonyl } indol-3-yl,
6- { [3-(ethyloxy)propyl]aminomethylcarbonyl } indol-3-yl,
6- [3-(butyloxy)propyl]aminomethylcarbonyl]indol-3-yl, or
6- [(3-methoxypropyl)aminomethylcarbonyl]indol-3-yl.

Claims 27 – 35 (Cancelled)

Claim 36 (Currently Amended): A pharmaceutical composition comprising a compound of Claim ~~16~~18 or a physiologically acceptable salt thereof and a pharmaceutically acceptable diluent or carrier.

Claim 37 (Previously Presented) The compound which is 2-(1-(4-acetoxybutyl)-7-azaindol-3-yl)methylene-2H-1,4-benzothiazin-3(4H)-one, or a physiologically acceptable salt thereof.

Claim 38 (Previously Presented) A pharmaceutical composition comprising the compound of claim 37, or a physiological salt thereof, and a pharmaceutically acceptable diluent or carrier.